

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-20 (canceled).

Claim 21 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system, the method comprising the steps of:

operating, in at least one radio cell of the radiotelecommunication system, at least two fixed parts and at least one portable part for purposes of wireless telecommunication;

supporting, via a first of the at least two fixed parts, both a first transmission mode in which a first service is transmitted at a first transmission rate and a second transmission mode in which a second service is transmitted at a second transmission rate;

supporting, via a second of the at least two fixed parts, the first transmission mode in which the first service is transmitted at the first transmission rate;

signaling to the at least one portable part, via the first fixed part and in dependence on a traffic load carried by the second fixed part, in a first system information item that the first fixed part supports the second transmission mode and, possibly, also the first transmission mode; and

signaling to the at least one portable part, via the second fixed part, in a second system information item that the second fixed part supports the first transmission mode.

Claim 22 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 21, the method further comprising the steps of:

supporting, via the at least one portable part, both the first transmission mode in which the first service is transmitted at the first transmission rate, and the second transmission mode in which the second service is transmitted at the second transmission rate;

storing connection-related data in at least one memory via the at least one portable part;

storing primary data records in the form of a first list in the memory, via the at least one portable part, when the fixed parts signal in the system information items that the fixed parts support the first transmission mode;

storing secondary data records in the form of a second list in the memory, via the at least one portable part, when the fixed parts signal in the system information items that the fixed parts support the second transmission mode; and

updating both the first list and the second list, via the at least one portable part, in case of a change in system information from the fixed parts.

Claim 23 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 21, the method further comprising the steps of:

comparing a value of a current capacity utilization with threshold values via the second fixed part;

sending to the first fixed part, via the second fixed part, a first signaling information item when the value of the current capacity utilization is greater than or equal to a first threshold value;

sending to the first fixed part, via the second part, a second signaling information item when the value of the current capacity utilization is less than or equal to a second threshold value;

signaling, via the first fixed part, between receiving the first and the second signaling information items, to the at least one portable part in the first system information item that the first fixed part supports both the first transmission mode and the second transmission mode; and

signaling, via the first fixed part, between receiving the second and the first signaling information items, to the at least one portable part in the first system information item that the first fixed part supports the second transmission mode and, possibly, the first transmission mode.

Claim 24 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 21, the method further comprising the steps of:

comparing a value of a current capacity utilization with threshold values via the second fixed part;

sending to a higher-level controller, via the second fixed part, a first signaling information item when the value of the current capacity utilization is greater to or equal to a first threshold value;

sending to the higher-level controller, via the second fixed part, a second signaling information item when the value of the current capacity utilization is less than or equal to a second threshold value;

controlling the first fixed part, via the higher-level controller, between receiving the first and the second signaling information items, such that the first fixed part signals to the at least one portable part in the first system information item that the first fixed part supports the first transmission mode and the second transmission mode;

controlling the first fixed part, via the higher-level controller, between receiving the second and the first signaling information items, such that the first fixed part signals to the at least one portable part in the first system information item that the first fixed part supports the second transmission mode and, possibly, the first transmission mode.

Claim 25 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 23, the method further comprising the step of:

exchanging telecommunication connections between the at least one portable part and the first fixed part, in which the first transmission mode is used, via a handover by corresponding telecommunication connections between the at least one portable part and the second fixed part.

Claim 26 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 25, wherein the telecommunication connections are exchanged when the second signaling information item is received, the telecommunication connections are exchanged automatically, and the exchange of telecommunication connections is ended, at the latest, after the first signaling information item has been received.

Claim 27 (previously presented): A method for controlling a distribution of transmission rates in a cellular radio telecommunication system as claimed in claim 26, wherein the at least one portable part initiates the exchange of, and exchanges, the telecommunication connections.

Claim 28 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 26, wherein the fixed parts initiate the exchange of, and exchange, the telecommunication connections.

Claim 29 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 24, the method further comprising the step of:

exchanging telecommunication connections between the at least one portable part and the first fixed part, in which the first transmission mode is used, via a handover by corresponding telecommunication connections between the at least one portable part and the second fixed part.

Claim 30 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 29, wherein the telecommunication connections are exchanged when the second signaling information item is received, the telecommunication connections are exchanged automatically, and the exchange of telecommunication connections is ended, at the latest, after the first signaling information item has been received.

Claim 31 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 30, wherein the higher-level controller initiates the exchange of, and exchanges, at the telecommunication connections.

Claim 32 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 25, wherein the telecommunication connections are exchanged in an iterative process.

Claim 33 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 25, the method further comprising the steps of:

signaling to the first fixed part a particular number of connections which can be handed over to the second fixed part without exceeding the first threshold value; and

handing over, in one step, from the first fixed part to the second fixed part, the particular number of connections.

Claim 34 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 32, the method further comprising the step of:

signaling, from the second fixed part to the first fixed part, a number of connections exchanged.

Claim 35 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 29, wherein the telecommunication connections are exchanged in an iterative process.

Claim 36 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 35, the method further comprising the steps of:

signaling the number of connections to the higher-level controller via the second fixed part; and

signaling the number of connections to the first fixed part via the higher-level controller.

Claim 37 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 23, wherein an absolute value of the second threshold value is equal to an absolute value of the first threshold value.

Claim 38 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 23, wherein an absolute value of the second threshold value is smaller than an absolute value of the first threshold value.

Claim 39 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 21, wherein signals are transmitted at 32 kbit/s per second via the first transmission rate and at 64 kbit/s per second via the second transmission rate.

Claim 40 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 21, wherein voice is transmitted via the first service and packet data is transmitted via the second service.

Claim 41 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 21, wherein the at least one portable part is a wireless portable part.

Claim 42 (previously presented): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 21, wherein the at least one portable part is a wireless radio network termination.

Claim 43 (currently amended): A method for controlling a distribution of transmission rates in a cellular radiotelecommunication system as claimed in claim 21, wherein

Appl. No. 09/914,413
Reply to Office Action of September 21, 2004

the radiotelecommunication system operates in accordance with a ~~DECT~~ Digital Enhanced Cordless Telephone standard.